

FY2020 WATER AND SEWER RATES

Directors of Utilities Committee

March 4, 2020

Current Format

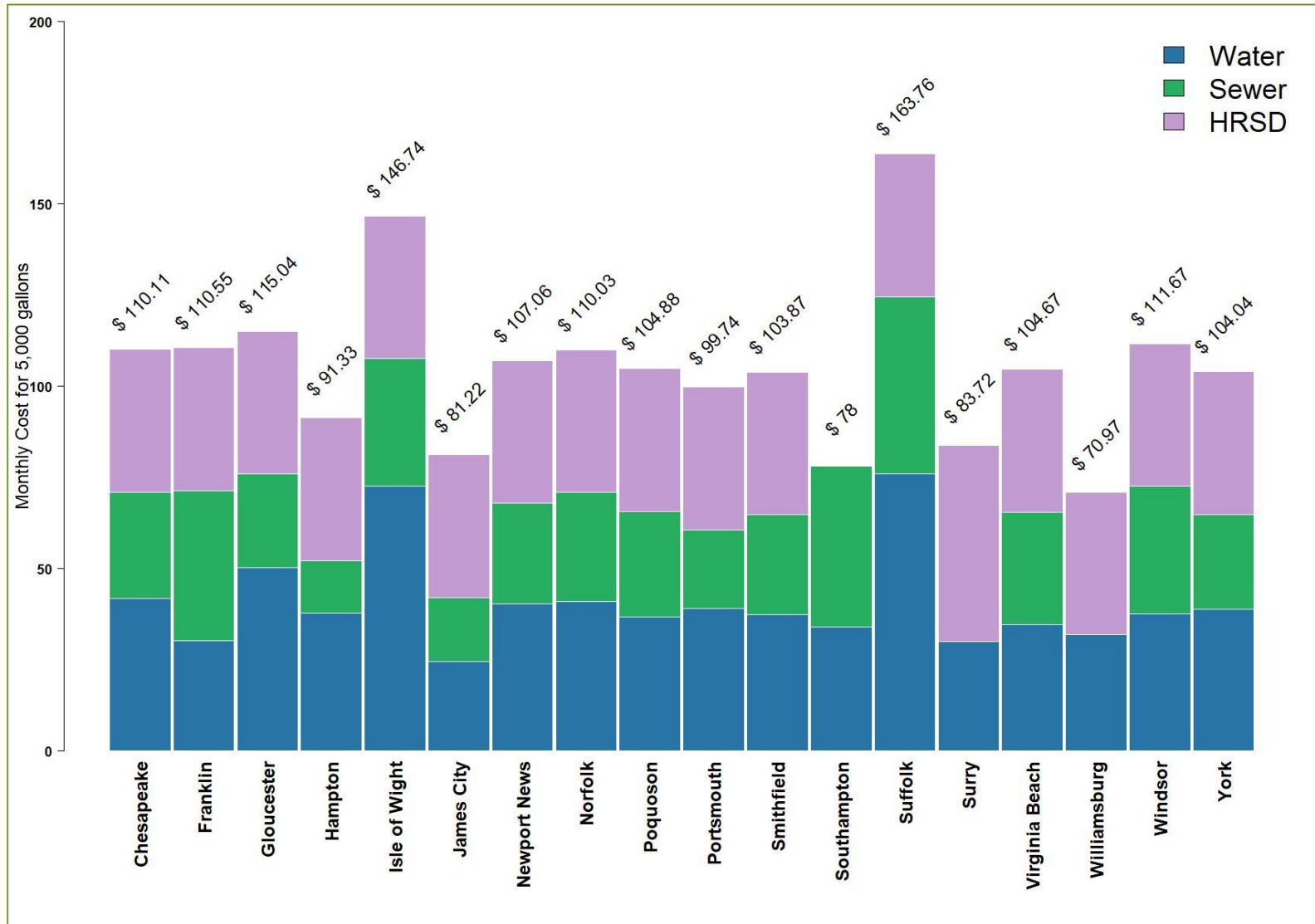
- Comprehensive information from data call:
 - Rate Calculations
 - Water Sales
 - Connection Fees
 - Service Availability Fees
 - Surcharge Fees
 - Fixed Billing Based on Meter Size Fees

Water and Sewer Rates		
York County (NNWW rates eff. 7-1-2019; YK sewer rates eff. 3-1-2015)		
No. of Water Accounts	19439	# Active Accounts
Billing period/cycle	Monthly	
Billing entity	Newport News Waterworks	
Water meter/service base charge	\$13.00 Monthly service fee (5/8" meter)	
Water consumption rate 1	\$3.21 per HCF Single-meter residential (>0 to 2 HCF)	
Rate 2	\$3.69 per HCF Single-meter residential (>2 to 25 HCF)	
Rate 3	\$7.38 per HCF Single-meter residential (>25 HCF)	
Rate 4	\$3.69 per HCF Industrial (>0 to 40,000 HCF)	
Rate 5	\$3.21 per HCF Industrial (>40,000 HCF)	
Rate 6	\$3.69 per HCF General (All others- Com, Inst, Gov, Apt)	
Tax	none	
Additional Fee (not taxable)	\$2.16 Monthly Fire Protection Service Fee (5/8" meter) (1 month)	
Sample Billing - Single Family Residence		
Consumption Subtotal - 5,000 gal/mo.	\$36.71 Water consumption	
Tax 1 - 5,000 gal/mo.	none	
Additional Fee - 5,000 gal/mo.	\$2.16 Fire Protection Service Fee (5/8" meter) (1 month)	
Water Total - 5,000 gal/mo.	\$38.87	
No. of Sewer Accounts	26169	# Active Accounts
Billing period/cycle	Bimonthly	
Billing entity	York	
Sewer service or meter base charge	none	
Sewer collection Rate 1	\$52.00 Bimonthly residential service fee (flat charge)	
Rate 2	\$20.00 Bimonthly non-residential minimum charge	
Rate 3	\$3.61 Bimonthly per HCF - non-residential	
Rate 4	\$4.82 Bimonthly per 1,000 gal - non-residential	
Rate 5	\$52.00 Bimonthly unmetered flat charge - non-residential	
Rate 6	\$7.50 Bimonthly unmetered surcharge per employee - non-residential	
Rate 7	none	
Rate 8	none	
Rate 9	none	
Rate 10	none	
Sample Billing - Single Family Residence		
Collection Subtotal - 5,000 gal/mo.	\$26.00 WW collection	
HRSD Charges - 5,000 gal/mo.	\$39.17 HRSD fee	
Sewer Total - 5,000 gal/mo.	\$65.17	
Sample Billing - Single Family Residence		
Water & Sewer Total - 5,000 gal/mo.	\$104.04	

Next Step: Annual Report

- Current Rates
- Historical Rates
- Affordability
- Additional Rates and Details

FY2020 Locality Rates



Current Rates

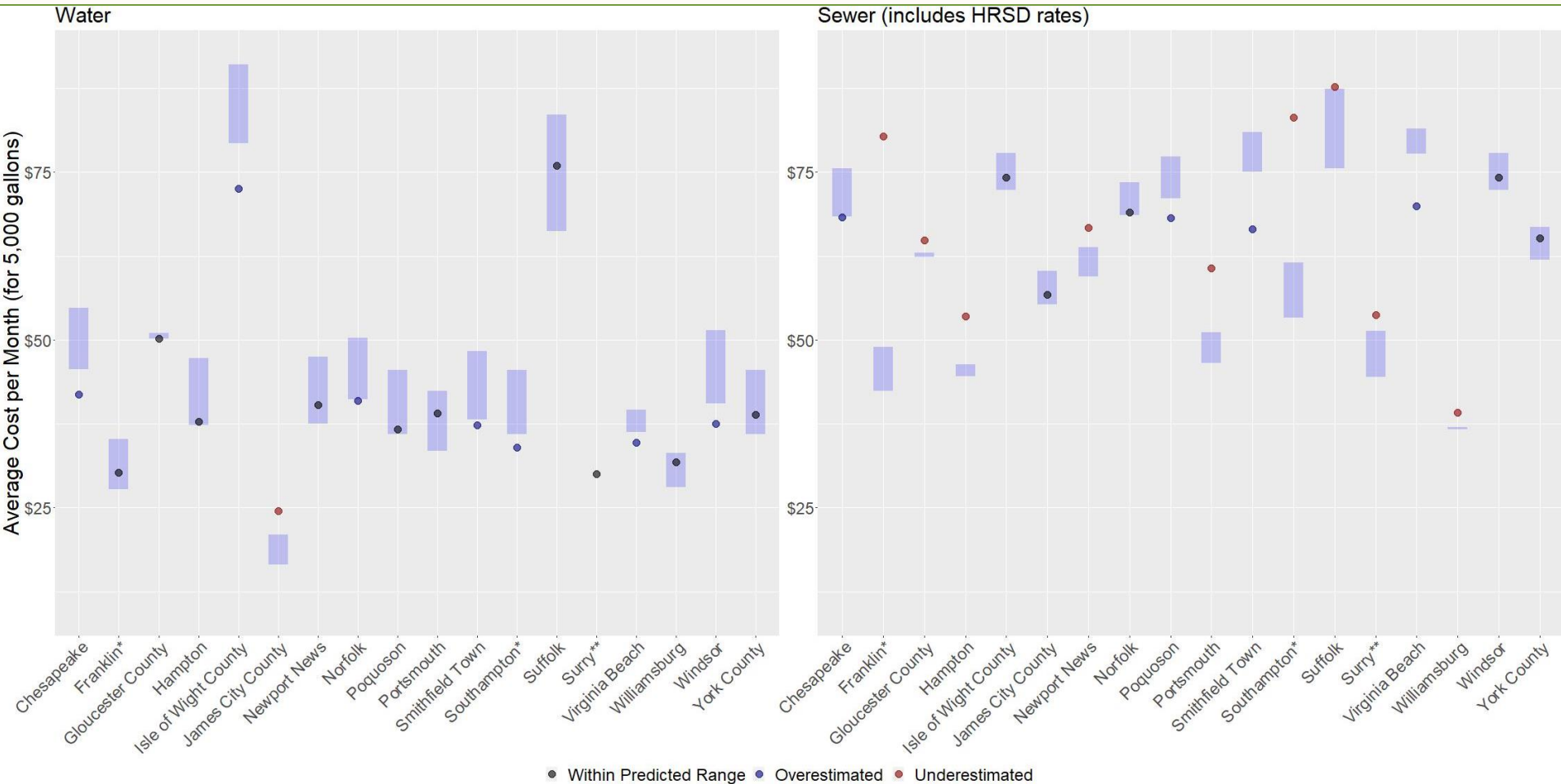
Historical Rates

Affordability

Additional Rates &
Details

Rate Projection Comparisons

Current Rates (dots) compared to the projected FY2020 rate range (rectangles).
The projections were calculated in 2015



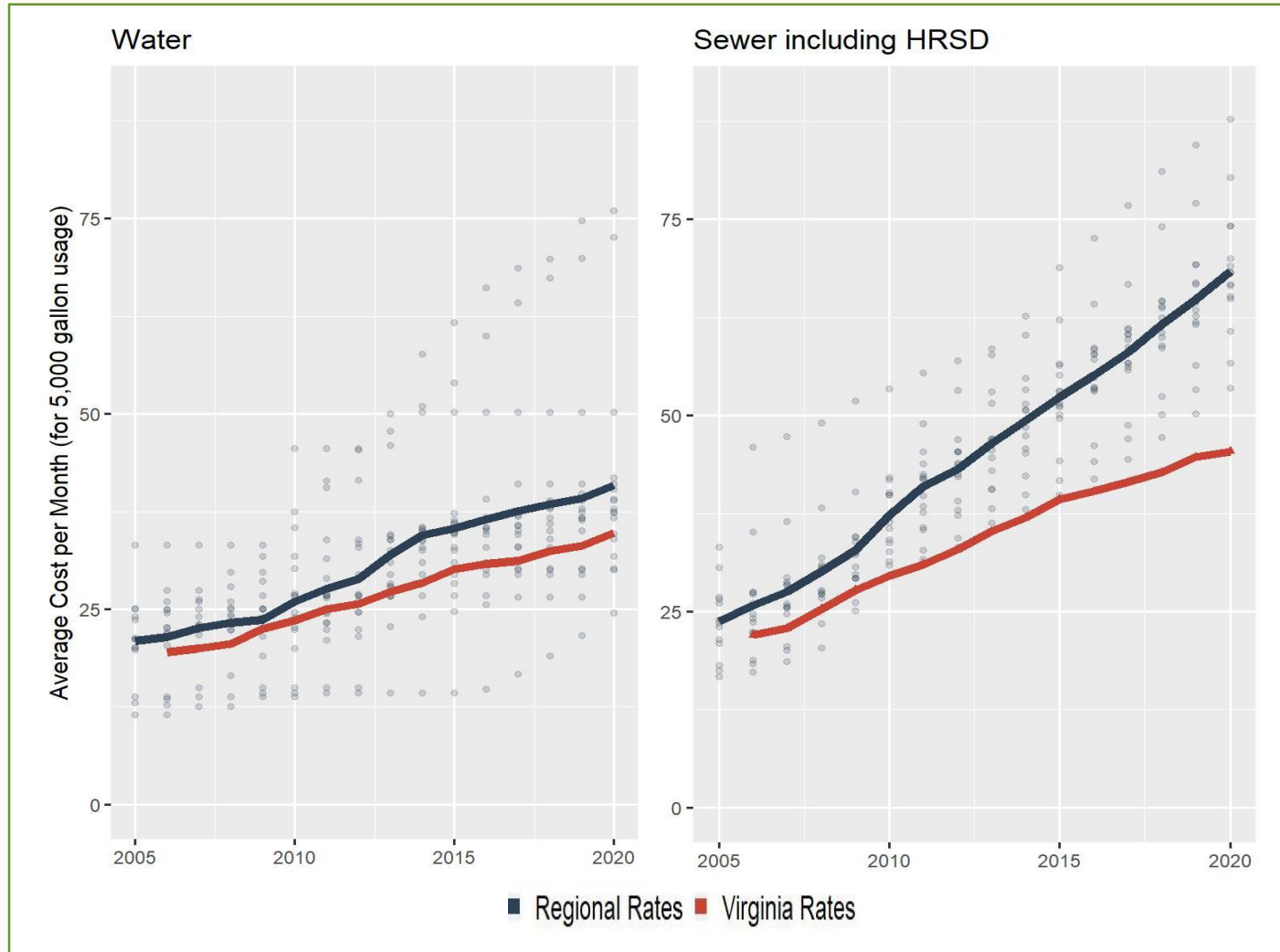
Current Rates

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FY2005-2020 Regional Rate Average Compared to State Average



Current Rates

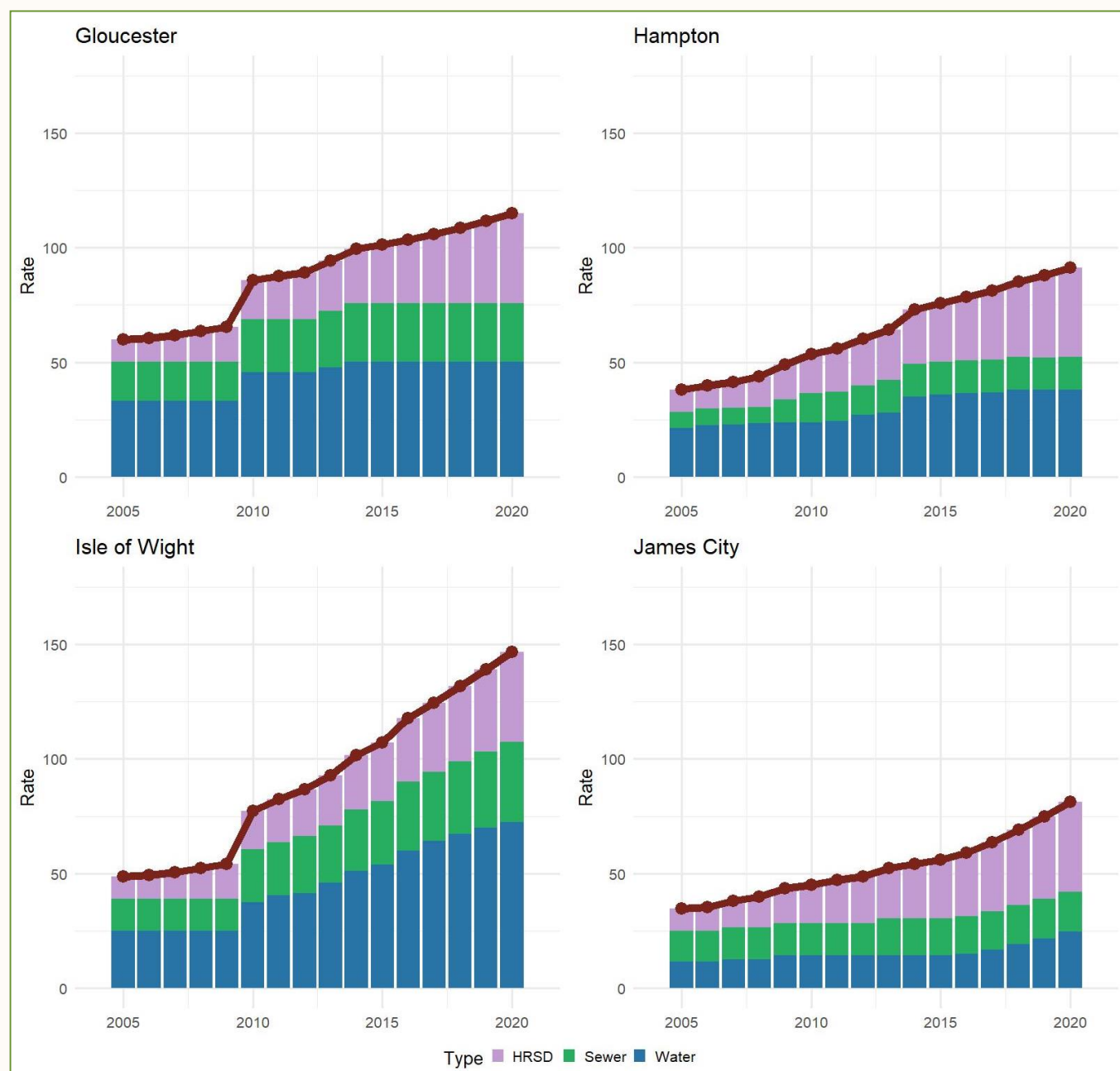
Historical Rates

Affordability

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FY2005-FY2020



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Affordability Programs Summary

Affordability Program

Norfolk	Emergency Utility (Water) Payment Program Program Summary: <ul style="list-style-type: none">- Up to \$500 per fiscal year- Households must have an outstanding water payment amount above \$500- Payments will not exceed three consecutive months- Household Income must be below threshold
Virginia Beach	Water Assistance Plan Program Summary <ul style="list-style-type: none">- Assist low income households with bill payment up to a maximum of \$300 and minor plumbing repairs up to \$250 per fiscal year- Household income limits- Assistance payment must fully satisfy all bills due at time of assistance payment
York	Utility Connection Fee Assistance Program <ul style="list-style-type: none">- assist low-income homeowners residing in the County's Utility Extension Project service areas with water and sewer connection fee costs based on need and eligibility
HRSD	Payment Extension Request <ul style="list-style-type: none">- Payment is required for balances over 60 days past due- No returned payments within 12 months- No broken payment extensions in the last 180 days

Current Rates

Historical Rates

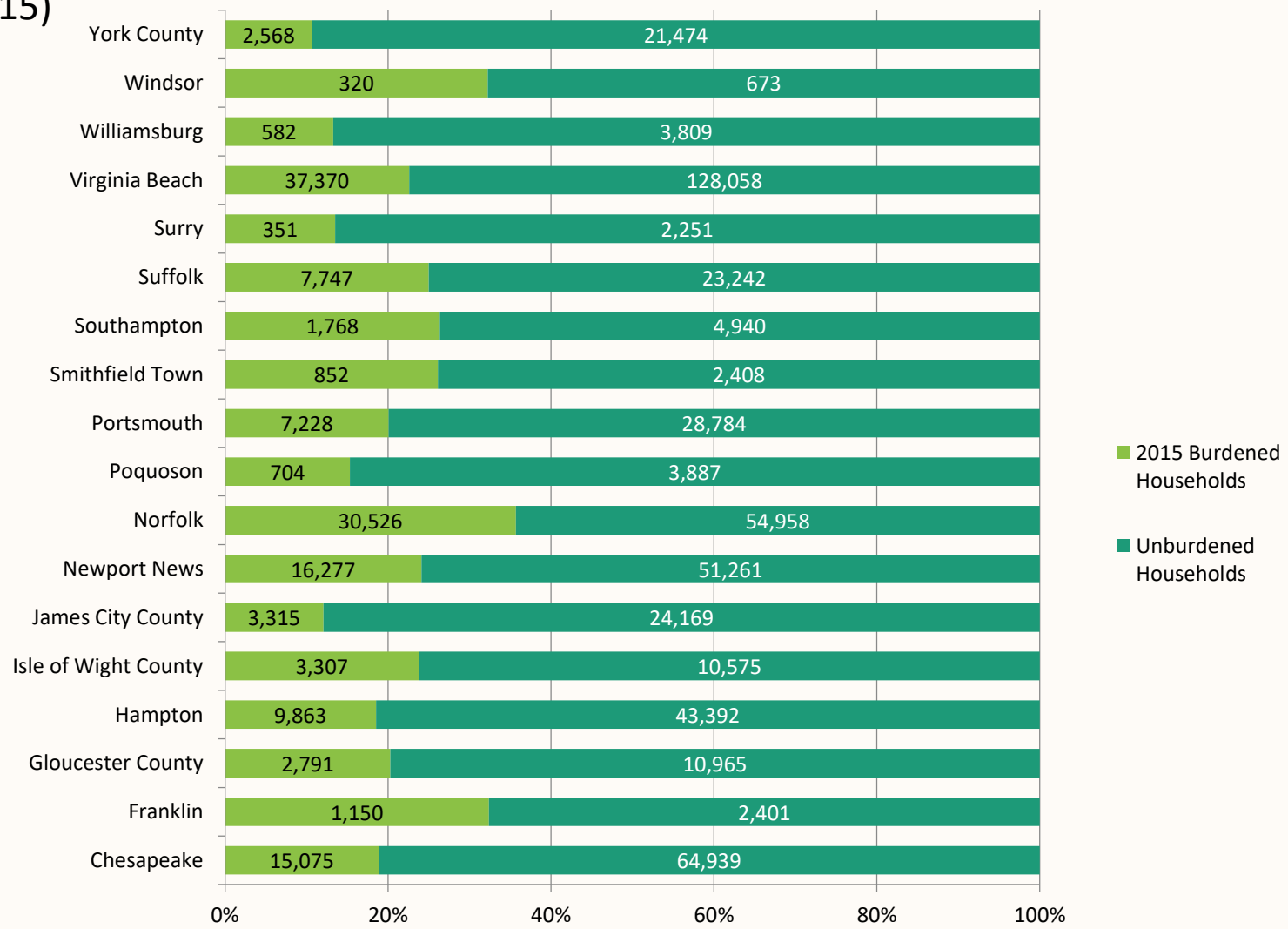
Affordability

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Affordability Analysis

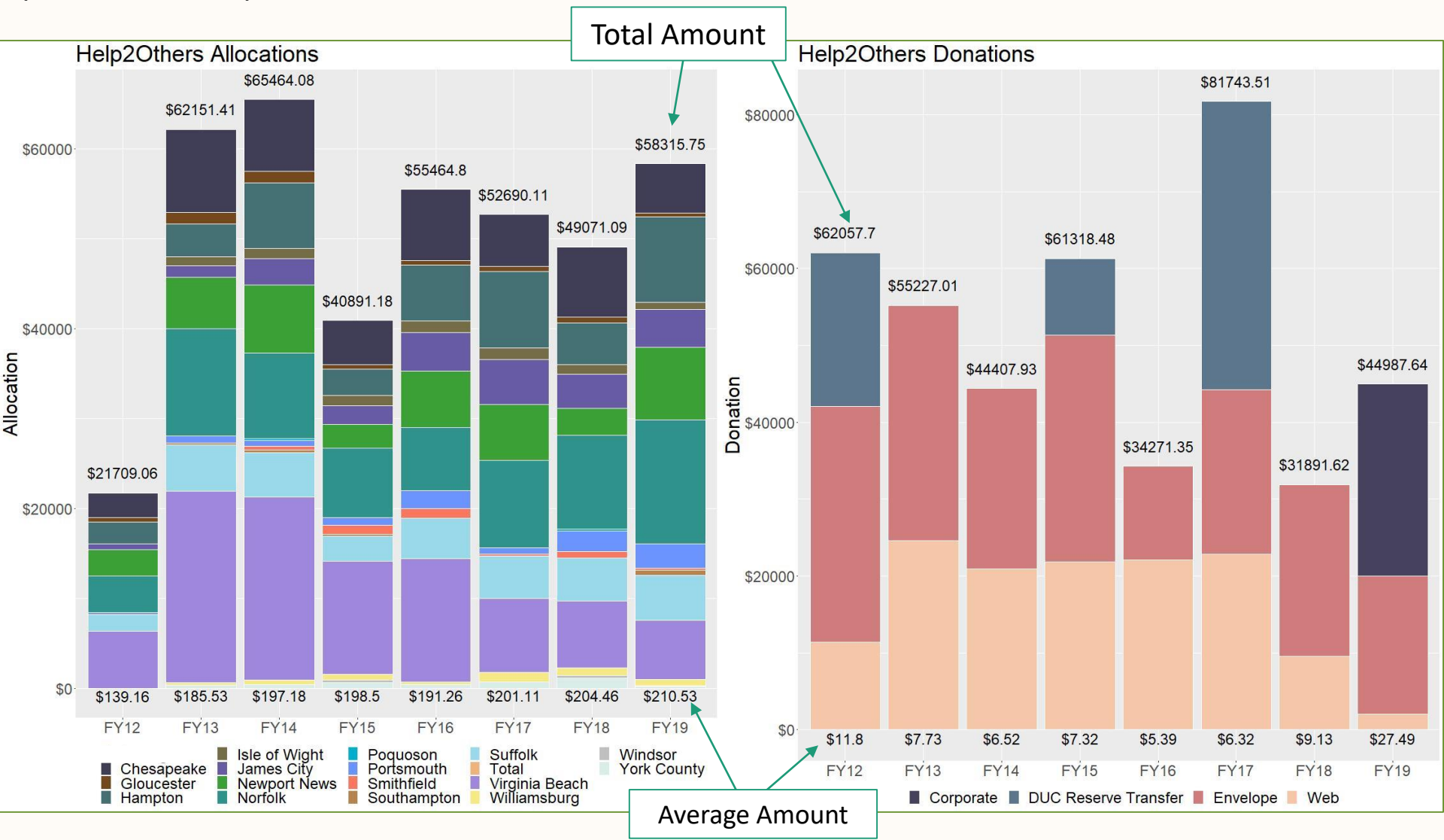
(Example from FY2015)

"Burdened" Households Paying 2% or More of Income for 2015 Wastewater Costs



Help2Others Donations and Allocations

(FY2012-2019)



Summary of Single Family Residential Rates and explanation of calculations

Water Rate Breakdown	Base Charge		Rate 1	Rate 2	Rate 3	Tax	Total	Equation Notes
Chesapeake			\$45.72 Bimonthly minimum (up to 6 ccf)	\$5.15 per ccf (> 6 ccf)			\$41.83	Calculated as half the bimonthly bill for 10,000 gallons
Norfolk			\$5.29 per ccf			25% of \$22.50	\$40.98	Calculated as the monthly bill for 5,000 gallons
Portsmouth	\$5.00	Monthly ready to serve fee	\$4.12 per ccf			20%	\$39.05	Calculated as half the bimonthly bill for 10,000 gallons
Suffolk	\$0.37	Daily residential meter charge	\$9.71 per ccf	\$48.55 monthly unmetered flat rate (5 ccf)			\$76.00	Calculated as 30 days, using 5,000 gallons
Virginia Beach	\$4.41	Monthly service availability fee	\$4.90 per 1,000 gallons			20% (\$3 max)	\$31.91	Calculated as the monthly bill for 5,000 gallons
Gloucester			\$20.18 Monthly minimum (up to 2,000 gallons)	\$10.00 per 1,000 gal (next 6,000 gal)	\$10.40 per 1,000 gal (>8000 gal)		\$50.18	Calculated as the monthly bill for 5,000 gallons
Southampton			\$28.00 Monthly minimum (up to 4,000 gal)	\$6.00 per 1,000 gal (>4,000 gal)			\$34.00	Calculated as the monthly bill for 5,000 gallons
Surry			\$30.00 Monthly minimum (up to 5,000 gal)	\$3.00 per 1,000 gal (>5,000 gal)			\$30.00	Calculated as the monthly bill for 5,000 gallons
Windsor			\$26.25 Bimonthly minimum (up to 3,500 gal)	\$7.50 per 1,000 gal			\$37.50	Calculated as half the bimonthly bill for 10,000 gallons

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Water Sales

Water Seller	Water Buyer	Receiving Water System	Contract or Agreement Terms	Raw or Finished	2016 Amount Sold (MGD)	2017 Amount Sold (MGD)	2018 Amount Sold (MGD)	FY2019 Amount Sold (MGD)	Figures reported by:	Notes:
Norfolk	Chesapeake	Northwest River System	Contractually obligated to purchase minimum 7 mgd	Raw	7.117	7.060	7.060	7.00	NO	Contract date 12-7-2002: year 1 water rate of \$0.95/thousand gallons; every July 1st, rate is adjusted by multiplying the water rate by the greater of (a) the CPI Adjustment Factor as defined in Contract Exhibit B, or (b) 100%. In no case shall the rate decrease
					7.019	7.066		7.000	CH	
Norfolk	Chesapeake	South Norfolk System	Minimum purchase is 2 mgd	Finished	2.050	2.139	2.230	2.00	NO	Contract date 12-17-2002: Rates set by Norfolk City Council, or as further established by separate contract or amendment
					2.038	2.144		2.000	CH	
Norfolk	Norfolk Navy Installations	Norfolk Naval Base	Unrestricted volume by contract	Finished	3.294	3.652	4.214	4.01	NO	

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Comparison of how each locality bills

(Example from FY2017)

	Water (includes applicable taxes & fees)	Wastewater Collection	Wastewater Treatment	Stormwater	Solid Waste
Chesapeake	HRUBS Bill bi-monthly	HRUBS Bill bi-monthly	HRUBS Bill bi-monthly	Real Estate Tax Bill bi-annually (Phase I MS4)	No Solid Waste Fee
Franklin	Utility Bill monthly	Utility Bill monthly	Utility Bill monthly	No stormwater fee (Non-MS4)	Utility Bill monthly
Gloucester	Water/Sewer Bill monthly	Water/Sewer Bill monthly	HRSD Bill monthly	No stormwater fee (Non-MS4)	No curbside p/u
Hampton	NNWW Bill bi-monthly	NNWW Bill bi-monthly	HRSD Bill bi-monthly	Real Estate Tax Bill bi-annually (Phase I MS4)	NNWW Bill bi-monthly
Isle of Wight	Water/Sewer Bill bi-monthly	Water/Sewer Bill bi-monthly	HRSD Bill bi-monthly	Real Estate Tax Bill bi-annually (Phase II MS4)	No curbside p/u
James City	HRUBS Bill quarterly	HRUBS Bill quarterly	HRUBS Bill quarterly	No stormwater fee (Phase II MS4)	No curbside p/u
Newport News	NNWW Bill bi-monthly	NNWW Bill bi-monthly	HRSD Bill bi-monthly	Real Estate Tax Bill bi-annually (Phase I MS4)	NNWW Bill bi-monthly
Norfolk	HRUBS Bill monthly	HRUBS Bill monthly	HRUBS Bill monthly	HRUBS Bill monthly (Phase I MS4)	HRUBS Bill monthly
Poquoson	NNWW Bill bi-monthly	Locality Services Bill bi-monthly	HRSD Bill bi-monthly	No stormwater fee (Phase II MS4)	Locality Services Bill bi-monthly
Portsmouth	Locality Services Bill bi-monthly	Locaity Services Bill bi-monthly	HRUBS Bill bi-monthly	Real Estate Tax Bill bi-annually (Phase I MS4)	Locality Services Bill bi-monthly
Smithfield	HRUBS Bill bi-monthly	HRUBS Bill bi-monthly	HRUBS Bill bi-monthly	No stormwater fee (Non-MS4)	No Solid Waste Fee
Southampton	Utility Bill monthly	Utility Bill monthly	Utility Bill monthly	No stormwater fee (Non-MS4)	Solid Waste Bill Annually
Suffolk	HRUBS Bill monthly	HRUBS Bill monthly	HRUBS Bill monthly	Real Estate Tax Bill bi-annually (Phase II MS4)	Real Estate Tax Bill
Virginia Beach	Locality Services Bill bi-monthly	Locality Services Bill bi-monthly	HRSD Bill bi-monthly	Locality Services Bill bi-monthly (Phase I MS4)	Locality Services Bill bi-monthly
Williamsburg	Water/Sewer Bill quarterly	No collection fee	Water/Sewer Bill quarterly	No stormwater fee (Phase II MS4)	No Solid Waste Fee
Windsor	Town Water Bill bi-monthly	County Sewer Bill bi-monthly	HRSD Bill bi-monthly	No stormwater fee (Non-MS4)	No Solid Waste Fee
York	NNWW Bill bi-monthly	Locality Services Bill bi-monthly	HRSD Bill bi-monthly	No stormwater fee (Phase II MS4)	Locality Services Bill bi-monthly
Surry	Town Bill ?	Town Bill ?	Town Bill ?	No stormwater fee (Non-MS4)	No curbside p/u



Additional Fees

- Connection Fees
- Service Availability Fees
- Surcharge Fees
- Fixed Billing Based on Meter Size Fees

Connection Fees	Water			Sewer		
Chesapeake	DEVELOPER FUNDED/CONSTRUCTED LINES			DEVELOPER FUNDED/CONSTRUCTED LINES		
	Meter Size	Meter Installation Fee	Water Connection Fee	Meter Size	Meter Installation Fee	Sewer Connection Fee
	5/8"	\$150.00	\$3,108.00	5/8"	\$150.00	\$2,702.00
	3/4"	\$200.00	\$4,662.00	3/4"	\$200.00	\$4,053.00
	1"	\$300.00	\$7,770.00	1"	\$300.00	\$6,755.00
	1-1/2"	\$500.00	\$15,540.00	1-1/2"	\$500.00	\$13,510.00
	2"	Cost plus 15%	\$25,864.00	2"	Cost plus 15%	\$21,616.00
	3"	Cost plus 15%	\$49,728.00	3"	Cost plus 15%	\$43,232.00
	4"	Cost plus 15%	\$77,700.00	4"	Cost plus 15%	\$67,550.00
	6"	Cost plus 15%	\$155,400.00	6"	Cost plus 15%	\$135,100.00
	8"	Cost plus 15%	\$248,640.00	8"	Cost plus 15%	\$216,160.00
	10"	Cost plus 15%	\$357,420.00	10"	Cost plus 15%	\$310,730.00
	CITY FUNDED/CONSTRUCTED LINES			CITY FUNDED/CONSTRUCTED LINES		
	Meter Size	Meter Installation Fee	Water Connection Fee	Meter Size	Meter Installation Fee	Sewer Connection Fee
	5/8"	\$150.00	\$3,697.00	5/8"	\$150.00	\$3,519.00
	3/4"	\$200.00	\$5,546.00	3/4"	\$200.00	\$5,279.00
	1"	\$300.00	\$9,243.00	1"	\$300.00	\$8,798.00
	1-1/2"	\$500.00	\$18,485.00	1-1/2"	\$500.00	\$17,595.00
	2"	Cost plus 15%	\$29,576.00	2"	Cost plus 15%	\$28,152.00
	3"	Cost plus 15%	\$59,152.00	3"	Cost plus 15%	\$56,304.00
	4"	Cost plus 15%	\$92,425.00	4"	Cost plus 15%	\$87,975.00
	6"	Cost plus 15%	\$184,850.00	6"	Cost plus 15%	\$175,950.00
	8"	Cost plus 15%	\$295,760.00	8"	Cost plus 15%	\$281,520.00
	10"	Cost plus 15%	\$425,155.00	10"	Cost plus 15%	\$404,685.00

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